

FIG. 1 is a block diagram of a computer system 100. The system 100 includes a processing unit 110, a system bus 130, and various interfaces and components connected to the system bus 130. The system memory 120 is divided into ROM 140 and RAM 150. The ROM 140 contains the BIOS 160. The RAM 150 contains the operating system 195, application programs 196, other program modules 197, and program data 198. The processing unit 110 is connected to the system bus 130 and the monitor 107. The system bus 130 is connected to the IEEE 1394 interface 140, the video adapter 108, the network interface 114, the serial port interface 106, the optical drive interface 194, the magnetic disk drive interface 193, the hard disk interface 192, and the modem 115. The IEEE 1394 interface 140 is connected to two devices 150. The video adapter 108 is connected to the monitor 107. The network interface 114 is connected to a local area network 112 and a wide area network 113. The serial port interface 106 is connected to a mouse 102. The optical drive interface 194 is connected to an optical drive 191. The magnetic disk drive interface 193 is connected to a magnetic disk drive 180. The hard disk interface 192 is connected to a hard disk 170. The modem 115 is connected to a remote computer 109. The remote computer 109 is connected to a memory 111. The application programs 196 are connected to the system bus 130. The other program modules 197 are connected to the system bus 130. The program data 198 is connected to the system bus 130. The operating system 195 is connected to the system bus 130. The BIOS 160 is connected to the system bus 130. The monitor 107 is connected to the system bus 130. The devices 150 are connected to the system bus 130. The mouse 102 is connected to the system bus 130. The optical drive 191 is connected to the system bus 130. The magnetic disk drive 180 is connected to the system bus 130. The hard disk 170 is connected to the system bus 130. The modem 115 is connected to the system bus 130. The local area network 112 is connected to the system bus 130. The wide area network 113 is connected to the system bus 130. The remote computer 109 is connected to the system bus 130. The memory 111 is connected to the system bus 130. The application programs 196 are connected to the system bus 130. The other program modules 197 are connected to the system bus 130. The program data 198 is connected to the system bus 130. The operating system 195 is connected to the system bus 130. The BIOS 160 is connected to the system bus 130.

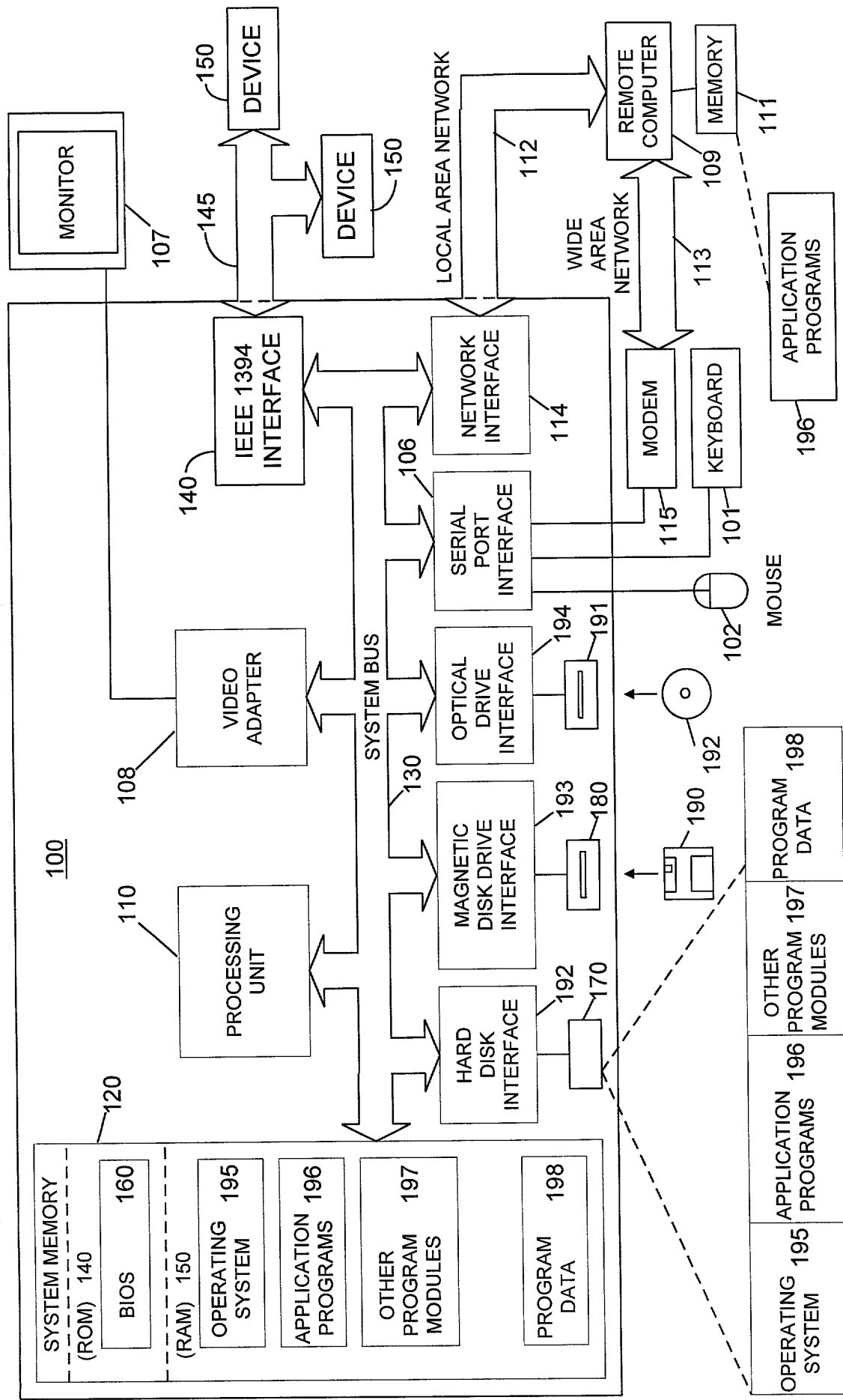


FIG. 1

FIG. 2

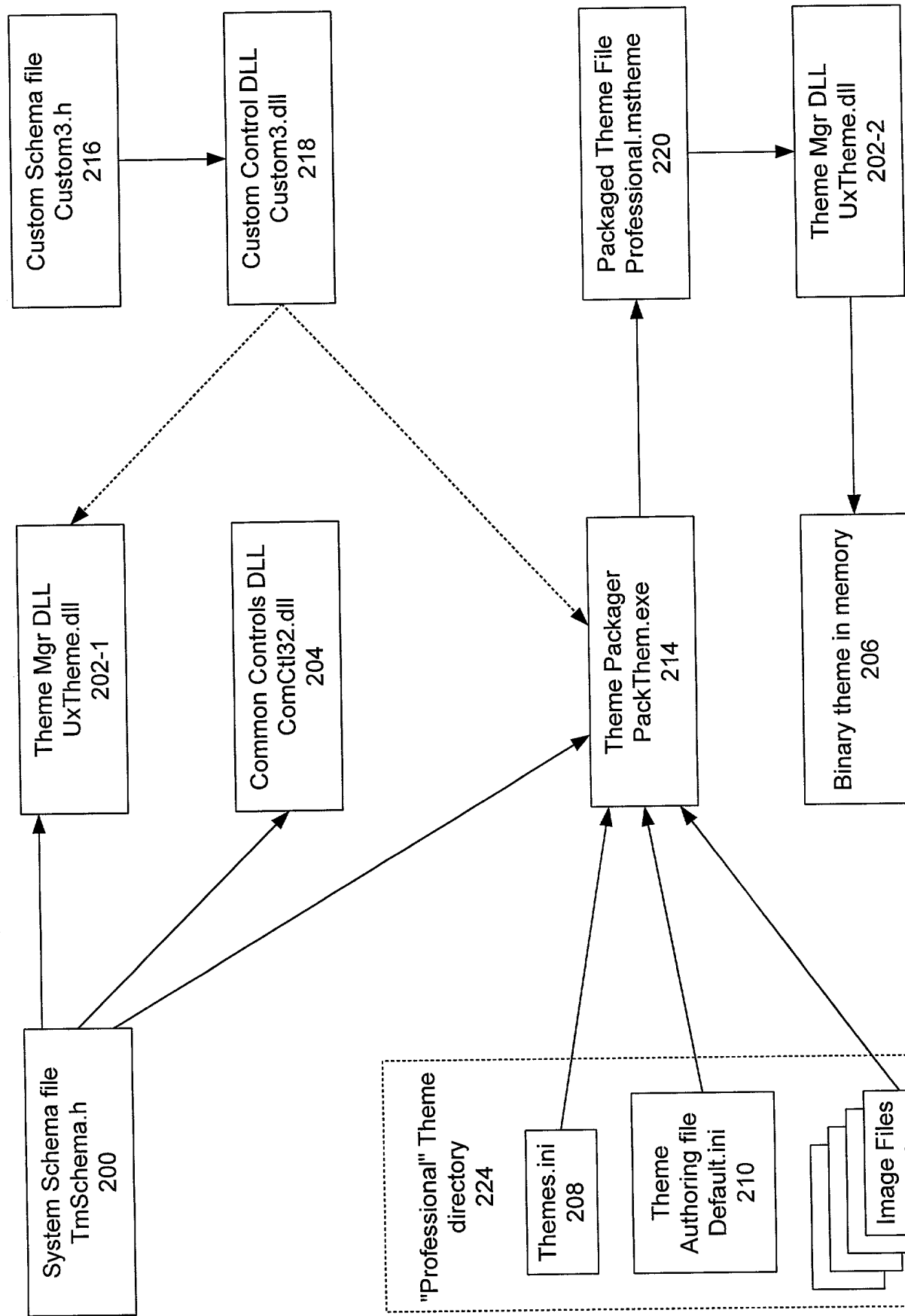


FIG. 2

Compile TmSchema.h into UxTheme.dll, ComCtl32.dll, and PackThem.exe at system build time
300

Compile custom control's schema, "Custom3.h," into the custom control (custom3.dll) when the control is built by the control author and register the custom control's DLL as a "path" value under the registry key
302

Theme author writes the theme description in the "default.ini" file and then runs PackThem.exe to make a theme package ("professional.mstheme" in Fig. 2)
304

"PackThem.exe" extracts the schemas from the custom controls registered with the Theme Mgr and adds them to its base schema information (compiled in from TmSchema.h) and uses the complete schema information to validate the contents of the theme authoring file (default.ini)
306

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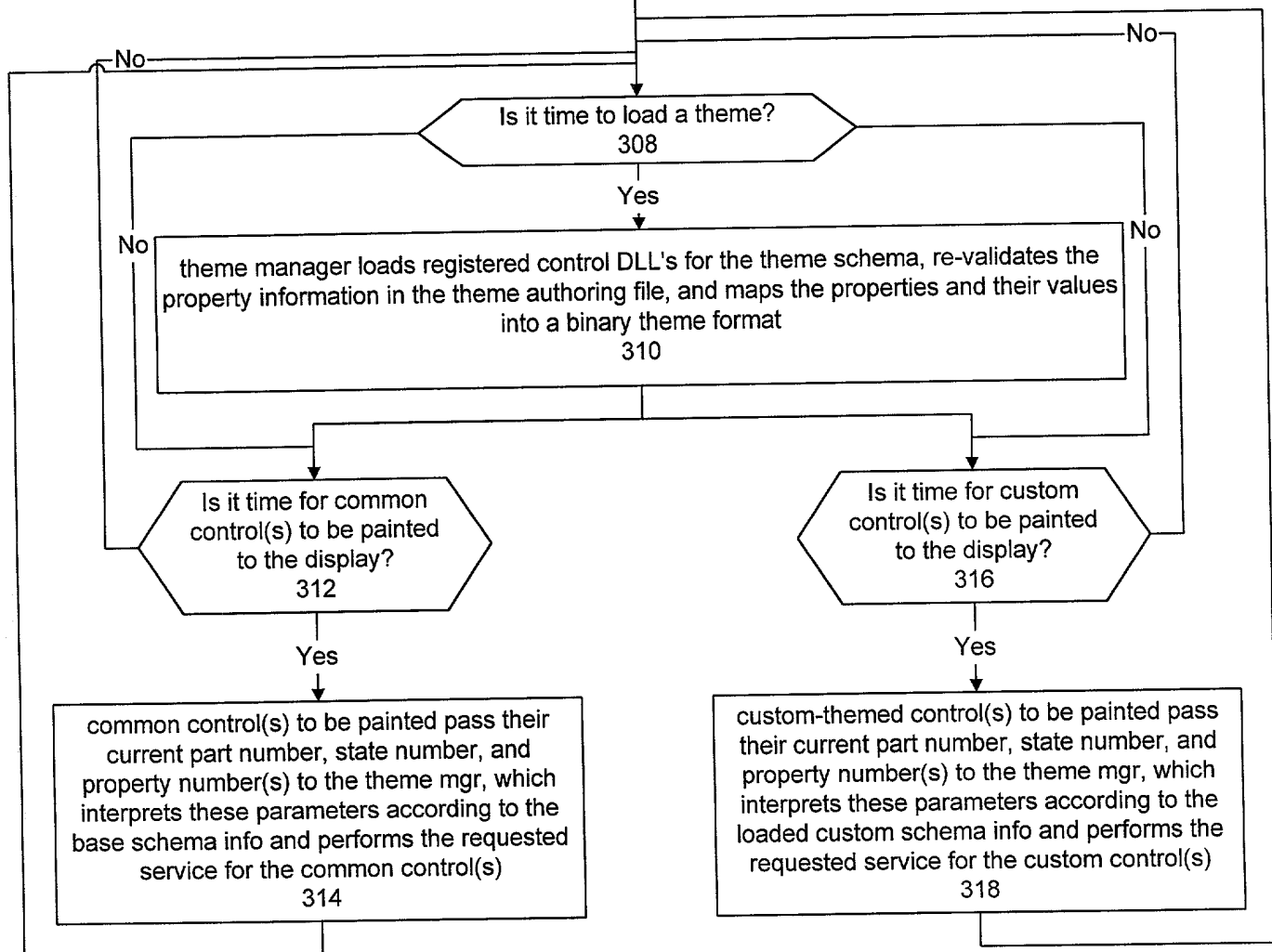


FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8

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